



# CINT2000 Result

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## Acer Incorporated

Acer Altos G540 (2.66 GHz Intel Xeon Processor X5355)

SPECint\_rate2000 = 108

SPECint\_rate\_base2000 = 108

SPEC license #: 97 | Tested by: Acer Incorporated | Test date: Jan-2007 | Hardware Avail: Nov-2006 | Software Avail: Nov-2005

250 200 150 100 50				Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
				164.gzip	4	86.6	75.0	4	86.6	75.0
				175.vpr	4	84.4	77.0	4	83.0	78.3
				176.gcc	4	46.9	109	4	46.9	109
				181.mcf	4	98.6	84.7	4	98.6	84.7
				186.crafty	4	41.0	113	4	41.0	113
				197.parser	4	91.5	91.3	4	92.7	90.1
				252.eon	4	37.8	159	4	37.5	161
				253.perlbnk	4	58.2	144	4	58.5	143
				254.gap	4	53.4	95.6	4	53.4	95.6
				255.vortex	4	48.8	181	4	48.8	181
				256.bzip2	4	83.0	83.9	4	84.7	82.2
				300.twolf	4	99.3	140	4	99.3	140

### Hardware

CPU: Intel Xeon Processor X5355 (2.66 GHz, 8MB L2, 1333MHz system bus)  
CPU MHz: 2666  
FPU: Integrated  
CPU(s) enabled: 4 cores, 1 chip, 4 cores/chip  
CPU(s) orderable: 1,2 chips  
Parallel: No  
Primary Cache: 32KB(I) + 32KB(D) on chip, per core  
Secondary Cache: 8MB(I+D) on chip, per chip (4MB shared per 2 cores)  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 8 x 2048MB ECC FB-DIMM DDR2-667  
Disk Subsystem: 1 x 73GB 10000RPM SAS HDD  
Other Hardware:

### Software

Operating System: Microsoft Windows Server 2003 Enterprise Edition (Build 3790), Service Pack 1  
Compiler: Intel C++ Compiler 9.1 Build 20060323Z for IA32  
Microsoft Visual Studio .Net 2003 (7.1.3091, for libraries)  
shlw32M.lib is SmartHeap Library Version 7.4 from http://www.microquill.com/  
File System: NTFS  
System State: Default

## Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen PASS2=-Qprof_use
Base tuning for C programs: -fast +FDO shlw32M.lib
Base tuning for C++ programs: -fast -Qcxx_features +FDO shlw32M.lib
Portability flags:
176.gcc: -Dalloca=_alloca /F10000000
186.crafty: -DNT_i386
253.perlbnk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO
Peak tuning:
164.gzip: basepeak=yes
175.vpr: -fast -Qansi_alias +FDO
176.gcc: basepeak=yes
181.mcf: basepeak=yes
186.crafty: basepeak=yes
197.parser: -fast -Qansi_alias +FDO
252.eon: -fast +FDO
253.perlbnk: -fast -Qansi_alias +FDO shlw32M.lib
254.gap: basepeak=yes
255.vortex: basepeak=yes
256.bzip2: -fast -Oa -Qunroll1 +FDO
```



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## Notes/Tuning Information (Continued)

300.twolf: -fast +FDO shlw32M.lib

Enable hardware prefetching and disable adjacent cache line prefetch BIOS setting